MANUFACTURING SITES

Newark, USA
- **Operational:** 2017
- **Product Segments:** OEM Products, Enterprise/Industrial PCBA, Defense Articles, Box Builds
- **SMT Lines:** 9
- **Offering:** Quick-turn, NPI, MP, USA COO

Hanoi, Vietnam
- **Operational:** 2012
- **Product Segments:** OEM Products Enterprise/Industrial/Consumer PCBA, Box Builds
- **SMT Lines:** 12 (can increase to 20)
- **Offering:** NPI, High Volume MP
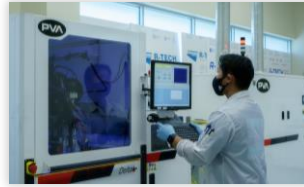
Penang, Malaysia
- **Operational:** 2025
- **Product Segments:** OEM Products, Enterprise/Industrial/Consumer PCBA
- **Offering:** NPI, High Volume MP

Newark, CA Facility

Hanoi, Vietnam Facility

In-house Conformal Coating

Malaysia Rendering

AFTERMARKET SERVICES

We extend our support to the end of the product life cycle. This includes repair services, refurbishing, and re-manufacturing.

✓ **Product EOL Services**

✓ **Global Logistics and Fulfilment**
- Build-to-order
- Inventory management
- Vendor management inventory (VMI)
- Warehousing
- Global logistics
- Global fulfillment

GET IN TOUCH

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Unigen™
EMS CAPABILITIES

SOLUTIONS.
SERVICES.
SIMPLIFIED.

Unigen offers innovative products and reliable services for all your technology needs.

DESIGN & ENGINEERING

Unigen's design capabilities encompass both electrical and mechanical solutions. From concept to production, we ensure seamless integration of design, manufacturing, and testing.

- ✓ **Electrical Design**
- ✓ **Mechanical Design**
- ✓ **Manufacturing Data**
- ✓ **SW/FW Design Files**

NEW PRODUCT INTRODUCTION

Quick Turn Prototype

- **DFx No Charge – prepared w/ Quote**
- SPI, 3D AOI, AXI(5dX)
- Underfill
- Conformal coating
- POP, 01005, 0.4 mm pitch BGA
- Reflow (Nitrogen), wave, selective wave
- Automatic routing
- System assembly
- Dedicated Customer Focus Team (CFT)
- NO CHARGE pre-build and post-build DFM
- BOM Scrubbing and conversion
- Front-end programming
- Same day delivery to local locations

Standard NPI

- Unigen offers the advantages of a comprehensive "one-stop" manufacturing solution, ensuring a smooth transition to our low-cost global manufacturing facilities based in Hanoi, Vietnam and Penang, Malaysia.

PCBA & TEST

Global Production Capabilities

- PCBA, box build, wire harness, chassis, & rack assembly
- Screen printing and pick-and-place for PCBs over 30"
- Supports package sizes down to 01005
- Lean manufacturing
- LVHM and HVLM production
- **In-house conformal coating**

One Manufacturing System

- Standardized system for consistent quality
- Global information management
- USA-Vietnam business continuity plan

Comprehensive Shopfloor Traceability

- Tracks components, boards, and systems
- Inventory cycle counts for accurate ERP data

SYSTEM INTEGRATION

- Line Layout configuration to fit the customer requirement
- Rack/Server Build & Full System Integration
- Full Lot Code/Date Code Traceability
- Fully trained personnel
- Shop Floor Control including Torque Calibration
- Sub Assembly Test, Hi-Pot, Functional Test, Burn-in
- Cable Routing and Connectivity
- Final Quality Audit to Packout
- Build to Order & Config to Order and Direct Fulfillment

SUPPLY CHAIN MGMT.

Procurement

- Manage vendor, logistics, and inventory

BOM Intelligence

- Bill of material (BOM) risk assessment
- Component lifecycle management
- Engineering change notice (ECN) pre-alerts
- Approved manufacturer list (AML) suggestions
- Regulatory checking

Global Sourcing

- Global approved vendor list for plastic, sheet-metal, PCB, cable hardness and EE components

Eco-system

- Vendor mgmt. inventory (VMI) and bonded program
- API quick-quote process
- Supplier performance review system

PRECISION MECHANICALS

C◎RAZA

Coraza Systems, a company within the Unigen Group, specializes in sheet metal, which enables seamless vertical integration on larger system and box builds.

Sheet Metal Fabrication

Precision Machining

Sub-Modular Assembly